

RZ Ecosystem Partner Solution

L&T Pouch Inspection



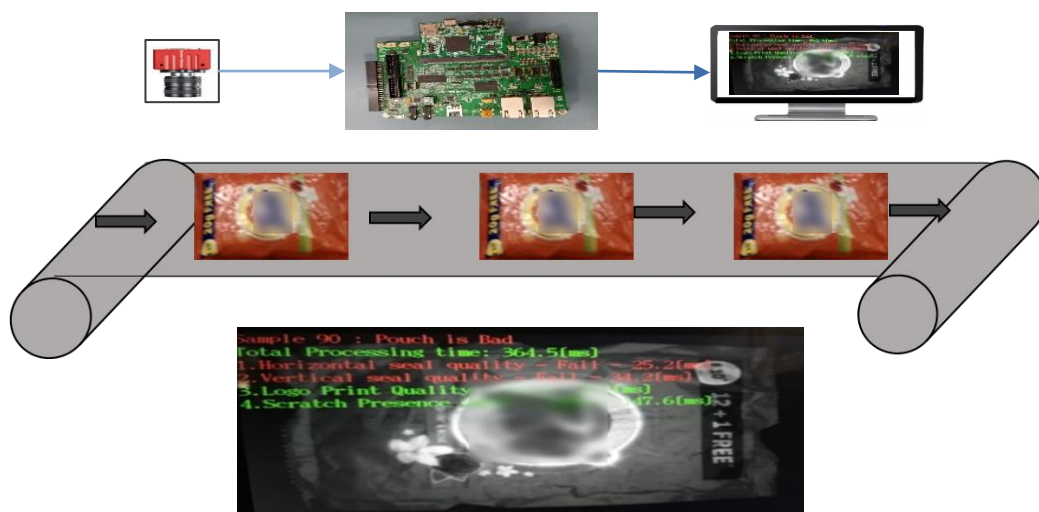
Solution Summary

Pouch Inspection solution uses [RZ/A2M](#) equipped with Renesas RZ family's [DRP](#) that can dramatically accelerate image processing algorithms to create an ultra-low power, highly efficient, cost-effective solution compared to existing DSP or CPU in the market. The system is capable of identifying defects in the pouch such as seal quality, logo print quality, scratch and damage check and display the result as defected pouch or not in the HDMI display.

Features/Benefits

- Machine vision-based end to end solution for identify the defects in the pouches in Consumer-Packaged Goods(CPG) industries.
- The solution provides continuous monitoring of package quality with accuracy of > 92 %
- Accurate detection horizontal and vertical seal quality in the pouches.
- Efficient Logo print quality, Scratch and damage check features
- Low-cost Controller - Edge Based solution
- High speed - able to process 100-120packets/min

Diagrams/Graphics



Target Markets and Applications

- AI Based Inspection System
- Material Quality Check
- Material Measurement Check

<https://www.lts.com/>

Company Name	L&T Technology Services
Headquarters Address	L&T Knowledge City, Special Economic Zone (IT/ITES), West Block – II, NH No. 8, Village Ankhol, Vadodara, Gujarat 390019 India
Founded	14 June 2012
Parent Organization	Larsen & Toubro
CEO	Amit Chadda (1 Apr 2021–)
Number of Employees	16,000+ employees spread across 17 global design centers as of December 31, 2020.
Business Description	Engineering and R&D (ER&D) services company offering consultancy, design, development and testing services across the product and process development life cycle.
Market Cap	Rs 26,773 crore
Net Sales	Rs 5,619 crore (FY20)
Subsidiaries	8 Companies

Subsidiaries

• Graphene Semiconductor Services Pvt. Ltd.	• L&T Technology Services Limited, Australia branch
• L&T Technology Services (Shanghai) Co. Ltd	• Orchestra Technology, Inc.
• L&T Technology Services LLC	• Esencia Technologies, Inc.
• L&T Thales Technology Services Private Limited	• Graphene Solutions Taiwan Limited